

Converting Colors

XYZ(36.4547, 17.7850, 96.1192)

Have a look what the booklet for
XYZ(36.4547, 17.7850, 96.1192)
contains.

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Color

**XYZ(36.4547, 17.7850,
96.1192)**

Conversions

Conversions Part 1

Format	Color
Hex	AF27FF
RGB	175, 39, 255
RGB Percent	69%, 15%, 100%
CMY	0.3137, 0.8470, 0.0000
CMYK	0.31, 0.85, 0.00, 0.00
HSL	278°, 100%, 58%
HSV	278°, 85%, 100%
XYZ	36.4547, 17.7850, 96.1192
YIQ	104.2880, 11.7200, 96.0080

Conversions

Conversions Part 2

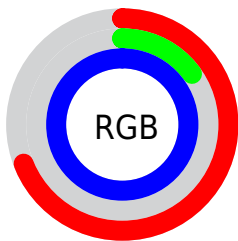
Format	Color
R _Y B	175, 39, 255
Decimal	11479039
CIE Lab	49.23, 82.10, -79.39
CIE LCh	49, 114.202, 315.962
Yxy	17.7850, 0.2425, 0.1183
Android (android.graphics.Color)	4289669119 (0xFFAF27FF)
YUV	104.2880, 74.3010, 62.0144
Hunter-Lab	42.1723, 80.4981, -105.6134

Details

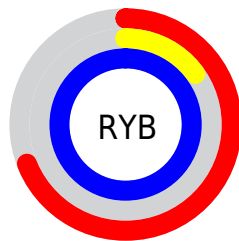
The XYZ color **36.4547, 17.7850, 96.1192** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **43.7339, 75.5884, 14.2047**, and the grayscale version is **13.0412, 13.7203, 14.9415**.

A 20% lighter version of the original color is **57.6936, 35.1560, 98.3527**, and **17.0175, 7.6086, 53.3950** is the 20% darker color. If you saturate the color by 10%, you get **33.8341, 15.5803, 95.8318**, and if you desaturate by 10%, it is **39.7864, 21.1895, 96.6007**.

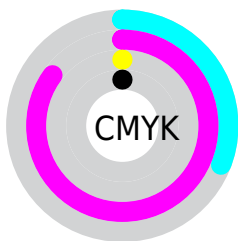
Distribution



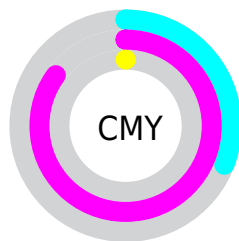
- Red (69%)
- Green (15%)
- Blue (100%)



- Red (69%)
- Yellow (15%)
- Blue (100%)



- Cyan (31%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4547, 17.7850, 96.1192 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 36.4547, 17.7850, 96.1192 by changing the saturation by 10% instead.


 36.4547, 17.7850,
96.1192

 36.4547, 17.7850,
96.1192


322.3403,
239.6564, 568.8174

 24.9573, 10.7957,
72.4648


 69.0526, 39.6706,
157.8188


 16.1738, 5.9297,
53.0493


 90.8838, 55.3358,
196.7010

 9.7389, 2.8024,
37.4541

 116.8904, 74.6617,
241.4963

 5.2871, 1.0294,
25.2608

 147.4376, 98.0328,
292.6232

 2.4532, 0.0000,
16.0507

 182.8908,
125.8334, 350.5002

 0.8717, 0.0000,
9.4053

223.6154,

 0.0000, 0.0000,

158.4479, 415.5459

4.9060

269.9768,
196.2608, 488.1788

■ 0.0000, 0.0000,
2.1345

■ 0.0000, 0.0000,
0.6362

■ 36.4547, 17.7850,
96.1192

■ 36.4547, 17.7850,
96.1192

■ 33.8341, 15.5803,
95.8318

■ 39.7864, 21.1895,
96.6007

■ 32.6591, 14.7513,
95.7337

■ 43.9268, 25.9878,
97.3087

■ 48.9584, 32.3401,
98.2696

■ 54.9521, 40.3838,
99.5063

■ 61.9707, 50.2405,
101.0389

■ 70.0713, 62.0208,
102.8858

■ 79.3066, 75.8258,
105.0637

■ 89.7255, 91.7497,
107.5882

95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.2246, 17.7850, 149.4586



36.4547, 17.7850, 96.1192



45.7930, 17.7850, 37.4859

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.4547, 17.7850, 96.1192



22.4084, 17.7850, 0.0000



3.8277, 17.7850, 40.5382

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.4547, 17.7850, 96.1192



43.7339, 75.5884, 14.2047

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



3.7616, 17.7850, 8.2915



36.4547, 17.7850, 96.1192



11.8490, 17.7850, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.4547, 17.7850, 96.1192



35.6441, 17.7850, 0.1950



5.9998, 17.7850, 0.3846



6.2485, 17.7850, 100.2543

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.4547, 17.7850, 96.1192



46.7788, 17.7850, 13.8610



5.9998, 17.7850, 0.3846



3.5796, 17.7850, 26.1612

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.4556, 17.7856, 96.1193



69.8163, 61.6446, 102.8266



25.8220, 21.5218, 97.4009



14.3097, 12.2647, 21.8631



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.4556, 17.7856, 96.1193



32.6591, 14.7513, 95.7337



56.2205, 28.4132, 77.2371



18.1023, 17.9445, 22.7595



17.2355, 7.7957, 50.0309



1.7988, 0.8212, 4.8770

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.2953, 24.0431, 19.7059



43.2803, 22.0761, 12.6738



37.5280, 72.3239, 16.8627



18.2875, 18.0983, 20.1312



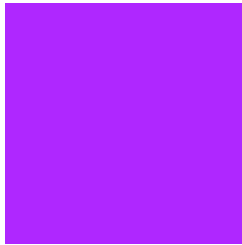
22.6807, 11.5616, 6.9690



2.2590, 1.1460, 0.9452

Previews

White Background



This preview shows how the XYZ color 36.4547, 17.7850, 96.1192 looks on a white background.

Color Contrast Check

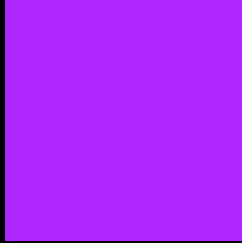
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 36.4547, 17.7850, 96.1192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4547, 17.7850, 96.1192

Background



This preview shows how black text looks on a background with the XYZ color 36.4547, 17.7850, 96.1192.



This preview shows how white text looks on a background with the XYZ color 36.4547, 17.7850,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.4547, 17.7850, 96.1192

Protanopia

21.3377, 17.9833, 83.2354

Deuteranopia

17.9790, 17.9379, 61.5463



Tritanopia

20.4526, 17.5545, 17.6396

Trichromacy



Original Color

36.4547, 17.7850, 96.1192



Protanomaly

21.7713, 14.2772, 87.1963



Deuteranomaly

19.3100, 13.9540, 72.1966



Tritanomaly

23.8676, 15.7886, 36.9115

Monochromacy



Original Color

36.4547, 17.7850, 96.1192



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

18.3326, 12.9864, 34.3413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4547, 17.7850, 96.1192 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(175, 39, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 39, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(175, 39, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 39, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.4547, 17.7850, 96.1192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 39, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(175, 39, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(175, 39, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 39, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 39, 255); box-shadow:4px 4px 4px 4px rgb(175, 39, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4547, 17.7850, 96.1192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 39, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(175, 39,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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